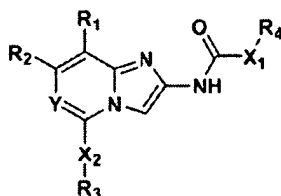


Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

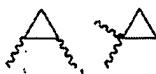
1. (Currently Amended) A compound of the formula



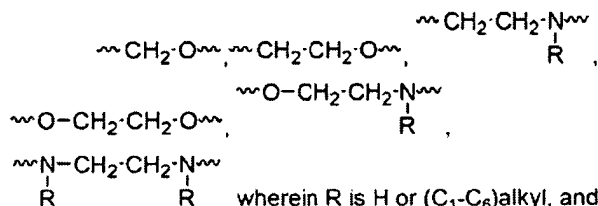
or a pharmaceutically acceptable salt thereof, wherein:

X₁ is CH₂, NH, or O;

X₂ is absent, or is

(CH₂)_x, NH, O, or , wherein "wavy" are points of attachment, or

is a tether 2, 3 or 4 atoms in length, selected from



wherein R is H or (C₁-C₆)alkyl, and

wherein "wavy" are points of attachment and x' is an integer from 1 to 3;

Y is N-C-H, C-F, or C-OMe;

R₁ is H or halo;

R₂ is (C₃-C₆)cycloalkyl,

(CH₂)_x-aryl,

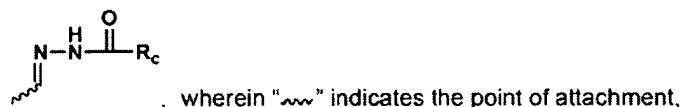
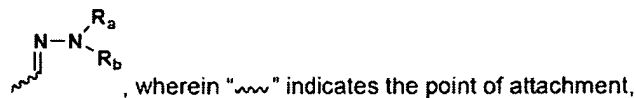
(CH₂)_x-~~heterocycle~~-heterocyclyl, or

(CH₂)_x-heteroaryl,

wherein x is 0, 1, or 2;

R₃ is H,

(C₁-C₆)alkyl,
 (C₃-C₈)cycloalkyl,
 aryl,
~~heterocycle~~ heterocyclyl,
 heteroaryl,
 C(O)NR_aR_b,
 C(O)R_a,
 CO₂R_a,
 C(O)C(O)NR_aR_b,
 NO₂,
 SO₂R_a,
 SO₂NR_aR_b,
 C(R_c)=NOR_a,
 C(R_c)=NR_a,



and wherein

R_a is H,

(C₁-C₆)alkyl,
 (C₃-C₈)cycloalkyl,
 (CH₂)_y-aryl,
 (CH₂)_y-~~heterocycle~~ heterocyclyl, or
 (CH₂)_y-heteroaryl,

wherein y is 0, 1, or 2;

R_b is H,

(C₁-C₆)alkyl,
 (C₃-C₈)cycloalkyl,
 aryl,
~~heterocycle~~ heterocyclyl, or
 heteroaryl;

R_c is H,

(C₁-C₆)alkyl,
(C₃-C₆)cycloalkyl,
aryl,
~~heterocycle~~ heterocyclyl, or
heteroaryl; and

R₄ is (C₁-C₆)alkyl, (C₁-C₆alkyl)-O-(C₁-C₆alkyl), cyclopropyl, CH₂-cyclopropyl, or cyclobutyl.

2. (Cancelled).
3. (Currently Amended) A compound according to claim 1 in which Y is C-H or a pharmaceutically acceptable salt thereof.
4. (Currently Amended) A compound according to ~~anyone of~~ claims 1-3 in which X₁ is NH, X₂ is absent, or is (CH₂)_x, NH, or O;

R₁ is H;

R₂ is

(CH₂)_x-heteroaryl,

wherein x is 0, 1, or 2;

R₃ is

H,

aryl,

~~heterocycle~~ heterocyclyl-,

heteroaryl,

C(O)NR_aR_b,

C(O)R_a, or

CO₂R_a,

and,

R₄ is (C₁-C₆)alkyl, cyclopropyl, CH₂-cyclopropyl or cyclobutyl, or a pharmaceutically acceptable salt thereof.

5. (Currently Amended) A compound according to ~~anyone of~~ claims 1-4 in which R₂ is heteroaryl or a pharmaceutically acceptable salt thereof.

6. (Currently Amended) A compound according to ~~anyone of~~ claims 1-5 in which R₂ is heteroaryl and is selected from the group consisting of pyridine, and pyrimidine, either of which may be optionally substituted, or a pharmaceutically acceptable salt thereof.

7. (Currently Amended) A compound according to ~~anyone of~~ claims 1-6 in which X₂ is absent and R₃ is hydrogen, heteroaryl, C(O)NR_aR_b, C(O)R_a, or CO₂R_a, or a pharmaceutically acceptable salt thereof.

8. (Currently Amended) A compound according to ~~anyone of~~ claims 1-7 in which R₄ is ethyl or cyclobutyl, or a pharmaceutically acceptable salt thereof.

9. (Currently Amended) A compound selected from the group consisting of:

- (7-pyridin-3-yl-imidazo[1,2-a]pyridin-2-yl)-carbamic acid ethyl ester;
- 1-ethyl-3-(7-pyridin-3-yl-imidazo[1,2-a]pyridin-2-yl)-urea;
- [7-(2-dimethylamino-pyrimidin-5-yl)-imidazo[1,2-a]pyridin-2-yl]-carbamic acid ethyl ester;
- 1-[7-(2-dimethylamino-pyrimidin-5-yl)-imidazo[1,2-a]pyridin-2-yl]-3-ethyl-urea;
- [7-(6-methoxy-pyridin-3-yl)-imidazo[1,2-a]pyridin-2-yl]-carbamic acid ethyl ester;
- 1-ethyl-3-[7-(6-methoxy-pyridin-3-yl)-imidazo[1,2-a]pyridin-2-yl]-urea;
- 1-ethyl-3-[7-(2-methoxy-pyrimidin-5-yl)-imidazo[1,2-a]pyridin-2-yl]-urea;
- ~~(7-pyridin-3-yl-imidazo[1,2-c]pyrimidin-2-yl)-carbamic acid ethyl esters;~~
- 1-ethyl-3-[7-[6-(2-morpholin-4-yl-ethoxy)-pyridin-3-yl]-imidazo[1,2-a]pyridin-2-yl]-urea;
- 1-ethyl-3-(5-hydroxymethyl-7-pyridin-3-yl-imidazo[1,2-a]pyridin-2-yl)-urea;
- 1-ethyl-3-(5-formyl-7-pyridin-3-yl-imidazo[1,2-a]pyridin-2-yl)-urea;
- 2-(3-ethyl-ureido)-7-pyridin-3-yl-imidazo[1,2-a]pyridine-5-carboxylic acid methyl ester;
- 1-ethyl-3-(7-pyrimidin-5-yl-imidazo[1,2-a]pyridin-2-yl)-urea;
- 1-[7-(3,5-dimethyl-isoxazol-4-yl)-imidazo[1,2-a]pyridin-2-yl]-3-ethyl-urea;
- 1-[7-(1-benzyl-1H-pyrazol-4-yl)-imidazo[1,2-a]pyridin-2-yl]-3-ethyl-urea;
- 1-ethyl-3-[7-[6-(4-methyl-piperazin-1-yl)-pyridin-3-yl]-imidazo[1,2-a]pyridin-2-yl]-urea;
- 1-ethyl-3-[7-(1-methyl-1H-pyrazol-4-yl)-imidazo[1,2-a]pyridin-2-yl]-urea;
- 1-[7-(2,4-dimethoxy-pyrimidin-5-yl)-imidazo[1,2-a]pyridin-2-yl]-3-ethyl-urea;
- 4-[2-(3-ethyl-ureido)-imidazo[1,2-a]pyridin-7-yl]-3,5-dimethyl-pyrazole-1-carboxylic acid tert-butyl ester;
- 1-ethyl-3-[7-(1H-pyrazol-4-yl)-imidazo[1,2-a]pyridin-2-yl]-urea;
- 1-(3-chloro-7-pyridin-3-yl-imidazo[1,2-a]pyridin-2-yl)-3-ethyl-urea;
- 1-[3-chloro-7-(2-dimethylamino-pyrimidin-5-yl)-imidazo[1,2-a]pyridin-2-yl]-3-ethyl-urea;
- 2-(3-ethyl-ureido)-imidazo[1,2-a]pyridine-7-carboxylic acid methyl ester;
- 2-(3-ethyl-ureido)-imidazo[1,2-a]pyridine-7-carboxylic acid amide;
- 1-ethyl-3-[7-(5-methyl-2H-[1,2,4]triazol-3-yl)-imidazo[1,2-a]pyridin-2-yl]-urea;

1-[7-(1,5-dimethyl-1H-[1,2,4]triazol-3-yl)-imidazo[1,2-a]pyridin-2-yl]-3-ethyl-urea; and
 1-[7-(2,5-dimethyl-2H-[1,2,4]triazol-3-yl)-imidazo[1,2-a]pyridin-2-yl]-3-ethyl-urea;
 1-ethyl-3-[7-(5-methyl-[1,2,4]oxadiazol-3-yl)-imidazo[1,2-a]pyridin-2-yl]-urea;
 1-ethyl-3-[5-(1-methyl-1H-pyrazol-4-yl)-7-pyridin-3-yl-imidazo[1,2-a]pyridin-2-yl]-urea;
 2-(3-ethyl-ureido)-imidazo[1,2-a]pyridine-7-carboxylic acid;
 1-[7-(3,5-dimethyl-1H-pyrazol-4-yl)-imidazo[1,2-a]pyridin-2-yl]-3-ethyl-urea;
 1-ethyl-3-[7-(piperidine-1-carbonyl)-imidazo[1,2-a]pyridin-2-yl]-urea;
 1-cyclopropyl-3-[7-(pyrimidin-5-yl-imidazo[1,2-a]pyridin-2-yl)-urea];
 1-cyclopropylmethyl-3-[7-(pyrimidin-5-yl-imidazo[1,2-a]pyridin-2-yl)-urea];
 1-propyl-3-[7-(pyrimidin-5-yl-imidazo[1,2-a]pyridin-2-yl)-urea];
 1-isopropyl-3-[7-(pyrimidin-5-yl-imidazo[1,2-a]pyridin-2-yl)-urea];
 1-(7-pyrimidin-5-yl-imidazo[1,2-a]pyridin-2-yl)-3-(2,2,2-trifluoro-ethyl)-urea;
 1-(2-methoxy-ethyl)-3-[7-(pyrimidin-5-yl-imidazo[1,2-a]pyridin-2-yl)-urea];
 1-cyclobutyl-3-[7-(pyrimidin-5-yl-imidazo[1,2-a]pyridin-2-yl)-urea];
 1-[7-(6-amino-pyridin-3-yl)-imidazo[1,2-a]pyridin-2-yl]-3-ethyl-urea;
N-(7-acetylimidazo[1,2-a]pyridin-2-yl)-*N*-ethylurea;
 1-ethyl-3-[7-(5-methyl-[1,3,4]oxadiazol-2-yl)-imidazo[1,2-a]pyridin-2-yl]-urea;
 {4-[2-(3-ethyl-ureido)-imidazo[1,2-a]pyridin-7-yl]-pyridin-2-yl}-carbamic acid tert-butyl ester;
 1-ethyl-3-[7-(2H-pyrazol-3-yl)-imidazo[1,2-a]pyridin-2-yl]-urea;
 1-ethyl-3-[7-(1,2,3]thiadiazol-4-yl-imidazo[1,2-a]pyridin-2-yl)-urea;
 1-ethyl-3-[7-(5-isopropyl-[1,2,4]oxadiazol-3-yl)-imidazo[1,2-a]pyridin-2-yl]-urea;
 1-ethyl-3-[7-(5-oxo-4,5-dihydro-[1,2,4]oxadiazol-3-yl)-imidazo[1,2-a]pyridin-2-yl]-urea;
 {4-[2-(3-ethyl-ureido)-imidazo[1,2-a]pyridin-7-yl]-pyridin-2-yl}-carbamic acid tert-butyl ester;
 compound with
 1-[7-(2-amino-pyridin-4-yl)-imidazo[1,2-a]pyridin-2-yl]-3-ethyl-urea;
 1-ethyl-3-[7-(~~morpholine~~ morpholinyl-4-carbonyl)-imidazo[1,2-a]pyridin-2-yl]-urea;
 1-ethyl-3-[7-(2-methoxy-pyridin-4-yl)-imidazo[1,2-a]pyridin-2-yl]-urea;
 1-ethyl-3-[5-(3-methyl-[1,2,4]oxadiazol-5-yl)-7-pyridin-3-yl-imidazo[1,2-a]pyridin-2-yl]-urea;
 1-ethyl-3-[7-(6-fluoro-pyridin-3-yl)-imidazo[1,2-a]pyridin-2-yl]-urea;
 1-ethyl-3-[7-(1-methyl-6-oxo-1,6-dihydro-pyridin-3-yl)-imidazo[1,2-a]pyridin-2-yl]-urea;
 1-ethyl-3-[7-(6-methyl-pyridin-3-yl)-imidazo[1,2-a]pyridin-2-yl]-urea;
 1-ethyl-3-[7-(1-methyl-2-oxo-1,2-dihydro-pyridin-4-yl)-imidazo[1,2-a]pyridin-2-yl]-urea;
 7-(2-dimethylamino-pyrimidin-5-yl)-2-(3-ethyl-ureido)-imidazo[1,2-a]pyridine-5-carboxylic acid
 ethylamide, and
 1-[7-(2-dimethylamino-pyrimidin-5-yl)-5-pyrimidin-2-yl-imidazo[1,2-a]pyridin-2-yl]-3-ethyl-urea or
a pharmaceutically acceptable salt thereof.

10. (Currently Amended) A compound selected from the group consisting of:

1-ethyl-3-(7-pyridin-3-yl-imidazo[1,2-a]pyridin-2-yl)-urea;
 1-ethyl-3-[7-(6-methoxy-pyridin-3-yl)-imidazo[1,2-a]pyridin-2-yl]-urea;
 1-ethyl-3-[7-(2-methoxy-pyrimidin-5-yl)-imidazo[1,2-a]pyridin-2-yl]-urea;
 1-ethyl-3-(5-hydroxymethyl-7-pyridin-3-yl-imidazo[1,2-a]pyridin-2-yl)-urea;
 1-ethyl-3-(5-formyl-7-pyridin-3-yl-imidazo[1,2-a]pyridin-2-yl)-urea;
 2-(3-ethyl-ureido)-7-pyridin-3-yl-imidazo[1,2-a]pyridine-5-carboxylic acid methyl ester;
 1-ethyl-3-(7-pyrimidin-5-yl-imidazo[1,2-a]pyridin-2-yl)-urea;
 1-ethyl-3-[5-(1-methyl-1H-pyrazol-4-yl)-7-pyridin-3-yl-imidazo[1,2-a]pyridin-2-yl]-urea;
 1-propyl-3-(7-pyrimidin-5-yl-imidazo[1,2-a]pyridin-2-yl)-urea;
 1-cyclobutyl-3-(7-pyrimidin-5-yl-imidazo[1,2-a]pyridin-2-yl)-urea;
 1-[7-(6-amino-pyridin-3-yl)-imidazo[1,2-a]pyridin-2-yl]-3-ethyl-urea;
 1-ethyl-3-[7-(2H-pyrazol-3-yl)-imidazo[1,2-a]pyridin-2-yl]-urea;
 1-ethyl-3-(7-[1,2,3]thiadiazol-4-yl-imidazo[1,2-a]pyridin-2-yl)-urea;
 1-ethyl-3-[7-(2-methoxy-pyridin-4-yl)-imidazo[1,2-a]pyridin-2-yl]-urea;
 1-ethyl-3-[5-(3-methyl-[1,2,4]oxadiazol-5-yl)-7-pyridin-3-yl-imidazo[1,2-a]pyridin-2-yl]-urea;
 1-ethyl-3-[7-(6-fluoro-pyridin-3-yl)-imidazo[1,2-a]pyridin-2-yl]-urea;
 7-(2-dimethylamino-pyrimidin-5-yl)-2-(3-ethyl-ureido)-imidazo[1,2-a]pyridine-5-carboxylic acid ethylamide, and;
 1-[7-(2-dimethylamino-pyrimidin-5-yl)-5-pyrimidin-2-yl-imidazo[1,2-a]pyridin-2-yl]-3-ethyl-urea, or a pharmaceutically acceptable salt thereof.

11. (Currently Amended) A pharmaceutical formulation comprising a compound according to ~~any one of claims 1-10~~ admixed with a pharmaceutically acceptable diluent, carrier, or excipient.

12. (Cancelled).

13. (Cancelled).